

10/718,461

# STM STRUCTURE SEARCH

8-2-04

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*inventors*

ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2004:493683 CAPLUS  
DOCUMENT NUMBER: 141:54209  
TITLE: Preparation of substituted dihydrophenanthridine  
sulfonamides as estrogen receptor (ER) ligands for  
treatment of inflammatory diseases  
INVENTOR(S): Molinari, Albert John; Ashwell, Mark Anthony; Ridgway,  
Brian Hugh; Failli, Amedeo Arturo; Moore, William Jay  
PATENT ASSIGNEE(S): Wyeth, John, and Brother Ltd., USA  
SOURCE: PCT Int. Appl., 203 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004050631	A1	20040617	WO 2003-US38290	20031202
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.:

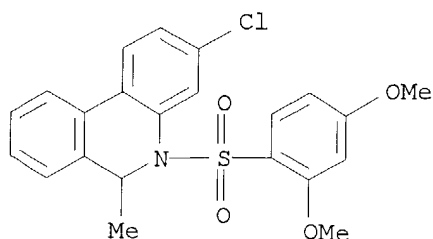
US 2002-430949P P 20021204  
US 2003-718461 A 20031120

GI

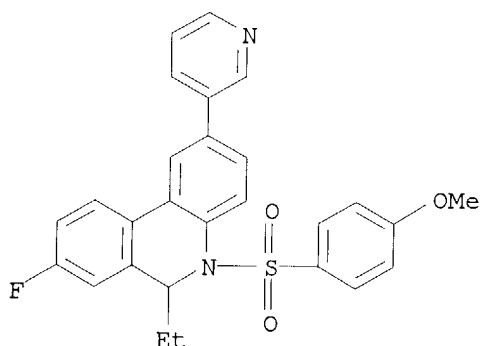
\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB Title compds. I and II [wherein R1-R12, R14-R15, R21-R31, R33-R35 = independently H, monofluoroalkyl, monofluoroalkenyl, hydroxyalkyl, CN, NO2, halo, OH and derivs., SH and derivs., SO3H and derivs., SO2NH2 and derivs., CO2H and derivaitves, etc.; R5, R25 = H, monofluoroalkyl, monofluoroalkenyl, hydroxyalkyl, etc.; R6, R26 = H, monofluoroalkyl, monofluoroalkenyl, etc.; R13, R32 = H, alk(en/yn)yl, formyl, SO3H and derivs., SO2NH2 and derivs., D-glucuronidate; and pharmaceutically acceptable salts thereof] were prepared as antiinflammatory agents. Thus, III was prepared by reacting phenanthridine with 4-methoxybenzenesulfonyl chloride in ether in the presence of MeLi, followed by demethylation. Compds. of the invention potently and efficaciously inhibited transcription factor nuclear factor κB (NF-κB) and interleukin 6 (IL-6) expression in ERα infected immortalized human aortic endothelial (HAECT-1) cells (IC50 values about 1 nM) without inducing creatine kinase (CK) expression in an ER-dependent manner, demonstrating antiinflammatory activity in the absence of classic estrogenic activity. Thus, I, II, and their pharmaceutical compns. are useful for the treatment of the inflammatory component of diseases and are particularly useful in treating atherosclerosis, myocardial infarction, congestive heart failure, inflammatory bowel disease, arthritis, type II diabetes, and autoimmune

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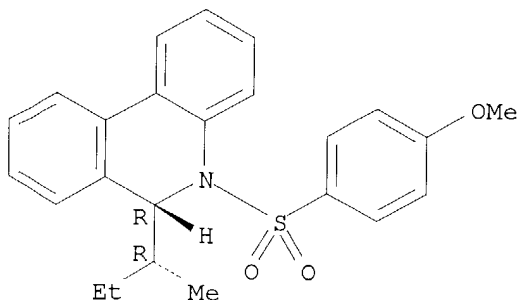


RN 705567-24-4 CAPLUS  
CN Phenanthridine, 6-ethyl-8-fluoro-5-[(4-methoxyphenyl)sulfonyl]-  
2-(3-pyridinyl)- (9CI) (CA INDEX NAME)



IT **705555-71-1P**, 5-[(4-Methoxyphenyl)sulfonyl]-(R\*)-6-[(R\*)-1-  
methylpropyl]-5,6-dihydrophenanthridine  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of dihydrophenanthridine sulfonamides as ER ligands for  
treatment of inflammatory diseases)  
RN 705555-71-1 CAPLUS  
CN Phenanthridine, 5,6-dihydro-5-[(4-methoxyphenyl)sulfonyl]-6-[(1R)-1-  
methylpropyl]-, (6R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

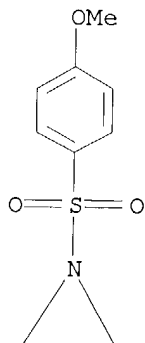


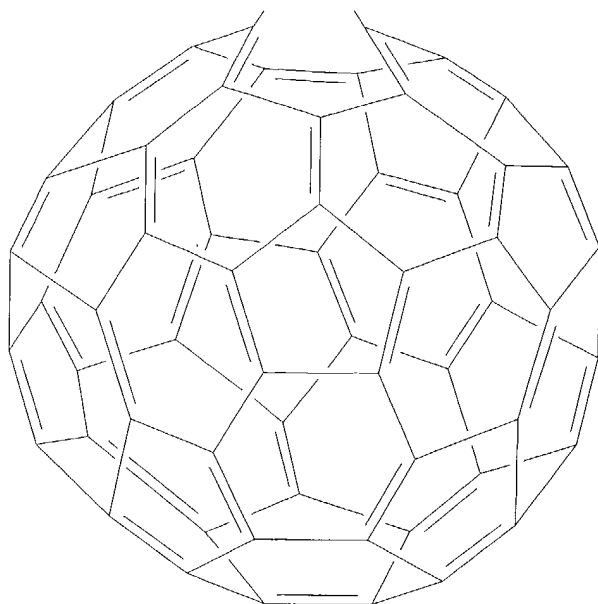
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2003:624949 CAPLUS  
DOCUMENT NUMBER: 139:276764  
TITLE: Preparation and characterization of

sulfonyl-azafulleroid and sulfonylaziridino-fullerene derivatives  
 AUTHOR(S): Ulmer, Lars; Mattay, Jochen  
 CORPORATE SOURCE: Organische Chemie I, Fakultät fuer Chemie,  
 Universitaet Bielefeld, Bielefeld, 33615, Germany  
 SOURCE: European Journal of Organic Chemistry (2003), (15),  
 2933-2940  
 CODEN: EJOCFK; ISSN: 1434-193X  
 PUBLISHER: Wiley-VCH Verlag GmbH & Co. KGaA  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 139:276764  
 AB Thermolysis of several sulfonyl azides in the presence of C60 leads either  
 to aza[60]fulleroids or to mixts. of aza[60]fulleroids and corresponding  
 aziridino-fullerenes, depending on the substituent at the sulfonyl group.  
 In all cases, 1,2-closed aziridino-fullerenes can be obtained from  
 azafulleroids by irradiation. Addition of sulfonyl azides to C70 only yields  
 azafulleroids with Cs-symmetry. Cyclic voltammetric measurements revealed  
 that there is no significant change of electrochem. properties compared to  
 C60 and C70.  
 IT **606977-23-5P**  
 RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP  
 (Preparation); RACT (Reactant or reagent)  
 (preparation and reduction potentials of sulfonyl-azafulleroids and  
 sulfonylaziridino-fullerenes)  
 RN 606977-23-5 CAPLUS  
 CN 2a-Aza-1,2(2a)-homo[5,6]fullerene-C60-1h, 2a-[(4-methoxyphenyl)sulfonyl]-  
 (9CI) (CA INDEX NAME)

PAGE 1-A



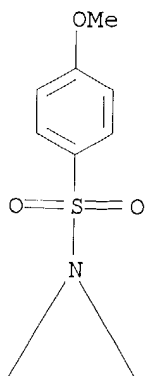


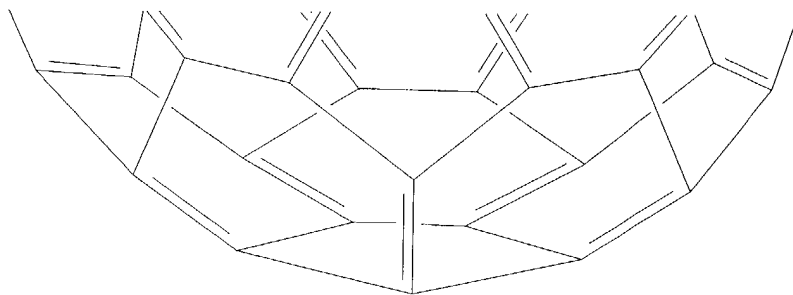
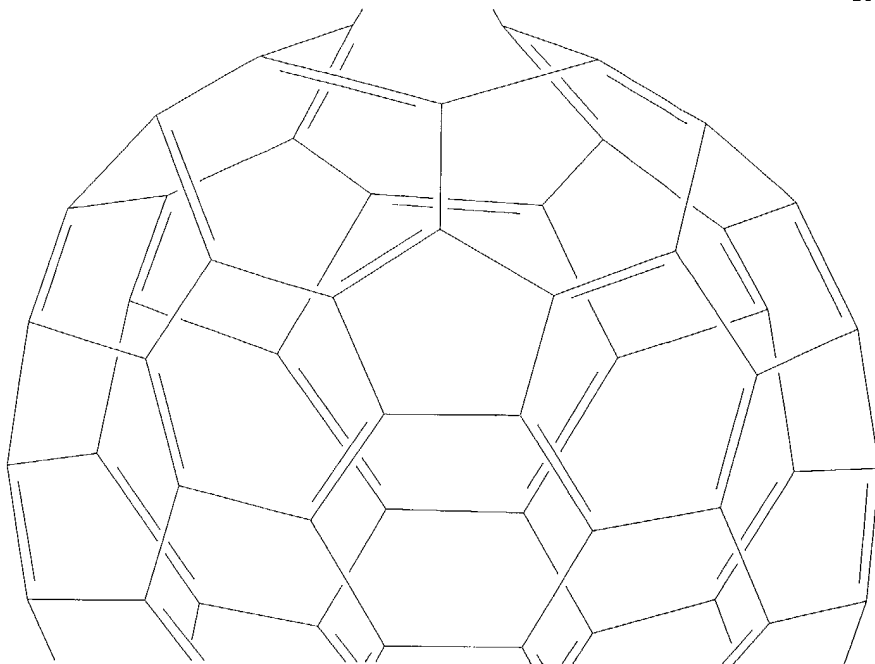
IT **606977-28-0P 606977-29-1P**

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(preparation and reduction potentials of sulfonyl-azafulleroids and  
sulfonylaziridino-fullerenes)

RN 606977-28-0 CAPLUS

CN 25a-Aza-24,25(25a)-homo[5,6]fullerene-C70-D5h(6), 25a-[(4-  
methoxyphenyl)sulfonyl]- (9CI) (CA INDEX NAME)





RN 606977-29-1 CAPLUS  
CN 6a-Aza-1,6(6a)-homo[5,6]fullerene-C70-D5h(6), 6a-[(4-methoxyphenyl)sulfonyl]- (9CI) (CA INDEX NAME)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

REFERENCE COUNT: 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L3 198 S L1 FULL

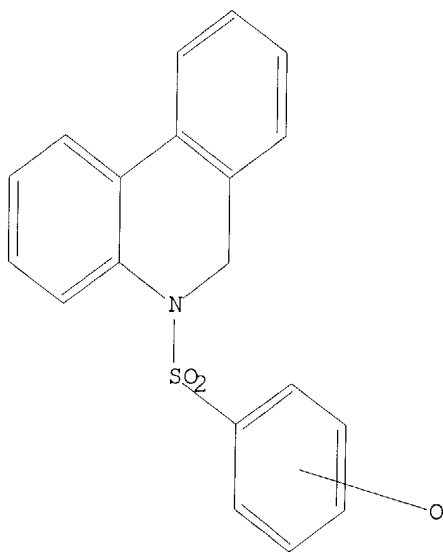
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FILE 'CAPLUS' ENTERED AT 11:55:08 ON 02 AUG 2004  
L4 2 S L3

=> d 11

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

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PALM INTRANET

Day : Monday  
Date: 8/2/2004  
Time: 11:47:51

## Inventor Name Search Result

Your Search was:

Last Name = MOLINARI

First Name = ALBERT

Application#	Patent#	Status	Date Filed	Title	Inve Nam
<u>60430949</u>	Not Issued	159	12/04/2002	SUBSTITUTED DIHYDROPHENANTHRIDINE-SULFONAMIDES	MOI ALB
<u>60218628</u>	Not Issued	159	07/17/2000	HETEROCYCLIC BETA-3 ADRENERGIC RECEPTOR AGONISTS	MOI ALB
<u>60054252</u>	Not Issued	159	07/30/1997	TRICYCLIC VASOPRESSIN AGONISTS	MOI , AL J.
<u>60029927</u>	Not Issued	159	11/01/1996	3-CARBOXAMIDE DERIVATIVES OF 5H-PYRROLO[2,1-C][1,4]BENZODIAZEPINES	MOI , AL J.
<u>10718461</u>	Not Issued	030	11/20/2003	SUBSTITUTED DIHYDROPHENANTHRIDINESULFONAMIDES	MOI ALB JOH
<u>10625872</u>	Not Issued	030	07/24/2003	SPHEROIDAL CAST IRON PARTICULARLY FOR PISTON RINGS AND METHOD FOR OBTAINING A SPHEROIDAL CAST IRON	MOI ALB
<u>10320761</u>	Not Issued	041	12/16/2002	BIOLOGICALLY ACTIVE VASOPRESSIN AGONIST METABOLITES	MOI ALB
<u>10316945</u>	Not Issued	168	12/12/2002	SPHEROIDAL CAST IRON, PARTICULARLY FOR PRODUCING ELASTIC SEALING SEGMENTS FOR ENGINE PISTONS	MOI ALB
<u>10189312</u>	<u>6605618</u>	150	07/02/2002	HETEROCYCLIC BETA-3 ADRENERGIC RECEPTOR AGONISTS	MOI ALB JOH
<u>09903841</u>	<u>6451814</u>	150	07/12/2001	HETEROCYCLIC BETA-3 ADRENERGIC RECEPTOR AGONISTS	MOI ALB
<u>09122020</u>	<u>6511974</u>	150	07/24/1998	TRICYCLIC VASOPRESSIN AGONISTS	MOI , AL J.
<u>08955511</u>	<u>5880122</u>	150	10/22/1997	3-CARBOXAMIDE DERIVATIVES OF 5H-PYRROLO [2,1-C] 1,4] -BENZODIAZEPINES	MOI , AL

					J.
<u>08903369</u>	Not Issued	161	07/30/1997	TRICYCLIC VASOPRESSION AGONISTS	MOI , AL J.
<u>08743443</u>	Not Issued	168	11/01/1996	3-CARBOXAMIDE DERIVATIVES OF 5H-PYRROLO [2,1-C][1,4]-BENZODIAZEPINES	MOI , AL J.
<u>07812791</u>	<u>5438064</u>	150	12/23/1991	DERIVATIVES OF 4-ANILINOQUINOLINE-3-CARBOXAMIDE AS ANALGESIC AGENTS	MOI , AL J.
<u>07592160</u>	<u>5212182</u>	150	10/03/1990	SUBSTITUTED QUINOLINYL- AND NAPHTHALENYLBENZAMIDES OR BENZYLAMINES AND RELATED COMPOUNDS USEFUL AS ANALGESICS	MOI , AL J.
<u>06383422</u>	<u>4454319</u>	150	06/01/1982	PYRIMIDO(6,1-A)ISOQUINOLINE-4-ONE DERIVATIVES	MOI , AL J.

Inventor Search Completed: No Records to Display.

	<b>Last Name</b>	<b>First Name</b>
<b>Search Another:</b>	<input type="text" value="Molinari"/>	<input type="text" value="Albert"/>
<b>Inventor</b>	<input type="button" value="Search"/>	

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